Genie®
A TEREX BRAND

Operator's Manual

Serial Number Range

SX-150
From SX15015-101

SX-180
From SX18015-293

CE

with
Maintenance
Information

Original Instructions
Third Edition
Second Printing
Part No. 1262336

CLICK HERE TO DOWNLOAD THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO DOWNLOAD THE COMPLETE MANUAL

Personal Fall Protection

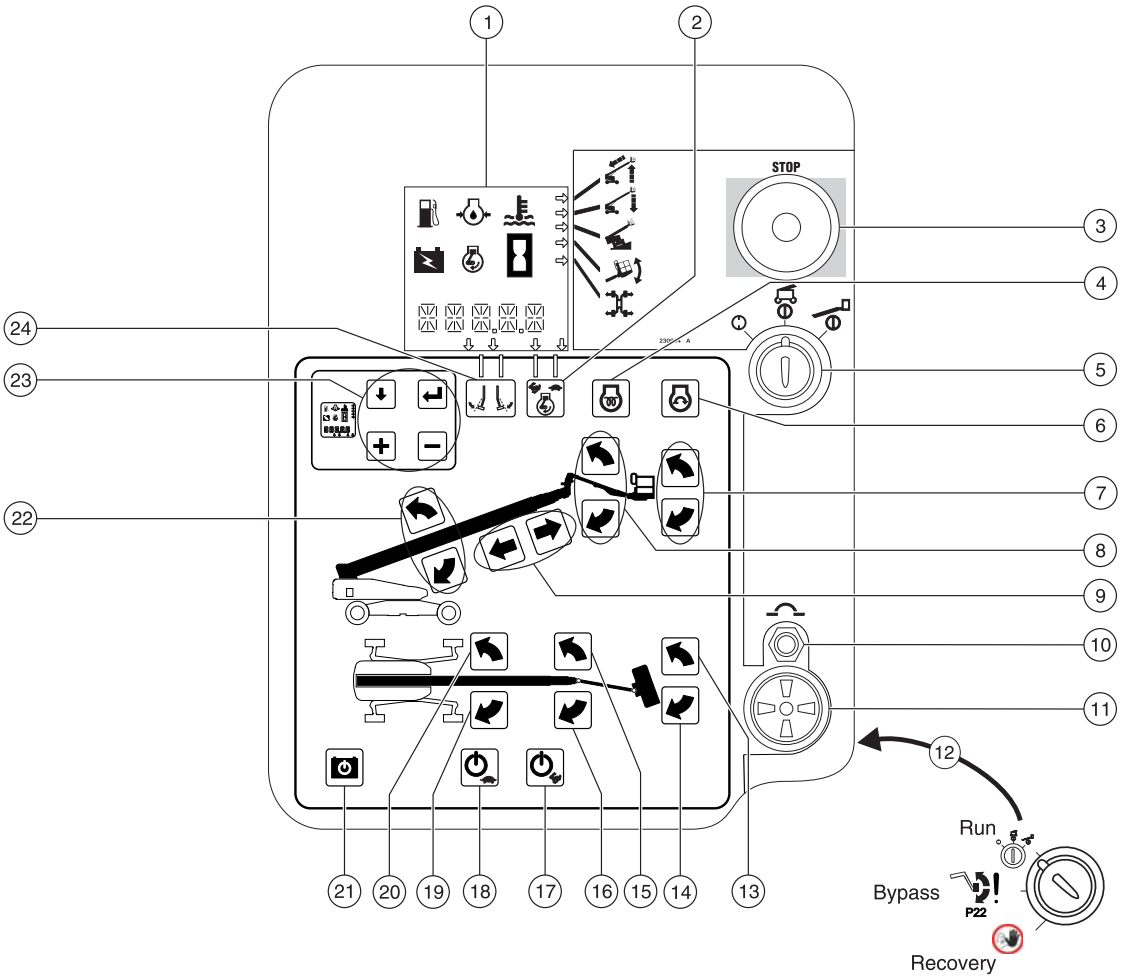
Personal fall protection equipment (PFPE) is required when operating this machine.

Occupants must wear a safety belt or harness in accordance with governmental regulations. Attach the lanyard to the anchor provided in the platform.

Operators must comply with employer, job site and governmental rules regarding the use of personal protective equipment.

All PFPE must comply with applicable governmental regulations, and must be inspected and used in accordance with the PFPE manufacturer’s instructions.

Controls



Ground Control Panel

1 LCD readout screen
2 Engine speed select button
3 Red Emergency Stop button
4 Glow plug button
5 Key switch for off/ground/platform selection
6 Engine start button
7 Platform level up/down buttons
8 Jib boom up/down buttons
9 Boom extend/retract buttons
10 20A circuit breaker for system circuit
11 Alarm
12 Bypass/recovery key switch
13 Platform rotate right button
14 Platform rotate left button
15 Jib boom rotate right button
16 Jib boom rotate left button
17 High speed function enable button
18 Low speed function enable button
19 Turntable rotate left button
20 Turntable rotate right button
21 Emergency power button
22 Boom up/down buttons
23 LCD screen control buttons
24 Jib rotate indicator (operating envelope)

Inspections

Pre-operation Inspection

- ❑ Be sure that the operator's, safety and responsibilities manuals are complete, legible and in the storage container located in the platform.
- ❑ Be sure that all decals are legible and in place. See Inspections section.
- ❑ Check for hydraulic oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- ❑ Check for battery fluid leaks and proper fluid level. Add distilled water if needed. See Maintenance section.
- ❑ Check for engine oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- ❑ Check for engine coolant leaks and proper level of coolant. Add coolant if needed. See Maintenance section.

Check the following components or areas for damage, improperly installed or missing parts and unauthorized modifications:

- ❑ Electrical components, wiring and electrical cables
- ❑ Hydraulic hoses, fittings, cylinders and manifolds
- ❑ Fuel and hydraulic tanks
- ❑ Drive and turntable motors and drive hubs
- ❑ Wear pads
- ❑ Tires and wheels
- ❑ Engine and related components
- ❑ Limit switches and horn
- ❑ Rotation sensors
- ❑ Steer and axle sensors
- ❑ Alarms and beacons (if equipped)
- ❑ Nuts, bolts and other fasteners
- ❑ Platform entry mid-rail or gate
- ❑ Lanyard anchorage points

Check entire machine for:

- ❑ Cracks in welds or structural components
- ❑ Dents or damage to machine
- ❑ Excessive rust, corrosion or oxidation

- ❑ Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.
- ❑ After you complete your inspection, be sure that all compartment covers are in place and latched.

Inspections

Test Drive Tilt Cutout

82 Press down the foot switch.

83 With the boom fully stowed, drive the machine onto a slope where the chassis angle is greater than 4.5° along the Y-Axis (front to back).

⊙ Result: The machine should continue to drive.

84 Return the machine to level ground and extend the boom approximately 91.4 cm.

85 Drive the machine onto a slope where the chassis angle is greater than 4.5° along the Y-Axis (front to back).

⊙ Result: The machine should stop once the machine reaches 4.5° of chassis tilt.

86 Retract the boom to the stowed position or drive in the opposite direction.

⊙ Result: The machine should drive.

87 Return to level ground and raise the boom to approximately 15° above horizontal.

88 Drive the machine onto a slope where the chassis angle is greater than 4.5° along the Y-Axis (front to back).

⊙ Result: The machine should stop once the machine reaches 4.5° of chassis tilt.

89 Lower the boom to the stowed position or drive in the opposite direction.

⊙ Result: The machine should drive.

90 Return to level ground and stow the boom.

91 Press down the foot switch.

92 With the boom fully stowed, drive the machine onto a slope where the chassis angle is greater than 3° along the X-Axis (side to side).

⊙ Result: The machine should continue to drive.

93 Return the machine to level ground and extend the boom approximately 91.4 cm.

94 Drive the machine onto a slope where the chassis angle is greater than 3° along the X-Axis (side to side).

⊙ Result: The machine should stop once the machine reaches 3° of chassis tilt.

95 Retract the boom to the stowed position or drive in the opposite direction.

⊙ Result: The machine should drive.

96 Return to level ground and raise the boom to approximately 15° above horizontal.

97 Drive the machine onto a slope where the chassis angle is greater than 3° along the X-Axis (side to side).

⊙ Result: The machine should stop once the machine reaches 3° of chassis tilt.

98 Lower the boom to the stowed position or drive in the opposite direction.

⊙ Result: The machine should drive.

99 Return to level ground and stow the boom.

Operating Instructions

Drive Enable

Light on indicates that the boom has moved past a circle-end tire and the drive function has been interrupted.



To drive, move the drive enable switch and slowly move the drive/steer control handle off center.

If the drive/steer control handle is not moved within two seconds of moving the drive enable switch, the drive function will not operate. Release and move the drive enable switch again.

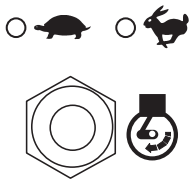
Be aware that the machine may move in the opposite direction that the drive and steer controls are moved.

Always use the color-coded direction arrows on the platform controls and the drive chassis to identify the direction the machine will travel.

When the drive enable light is on, the axles cannot retract.

Engine Idle Select (rpm)

Select the engine idle (rpm) by pressing the engine idle select switch. The indicator light next to the current setting will be on.



- Turtle symbol: low idle
- Rabbit symbol: high idle

Check Engine Light

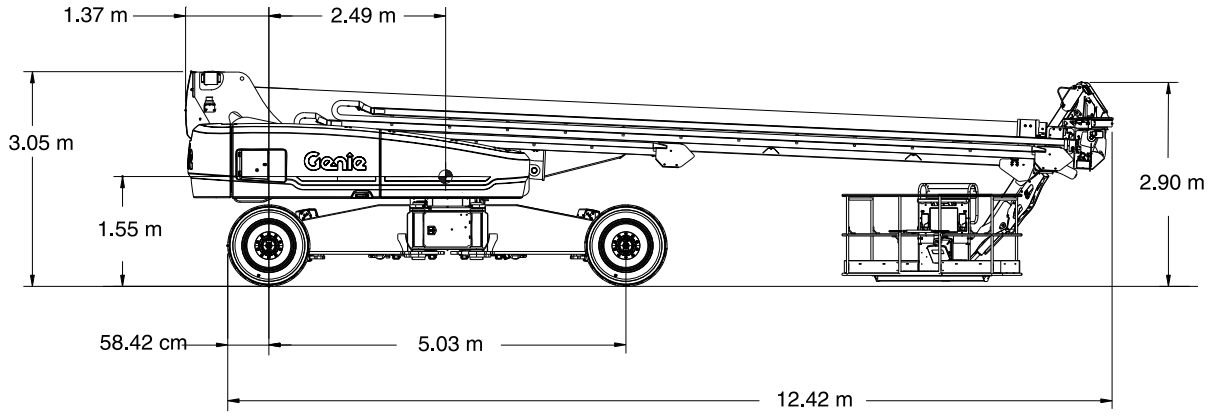


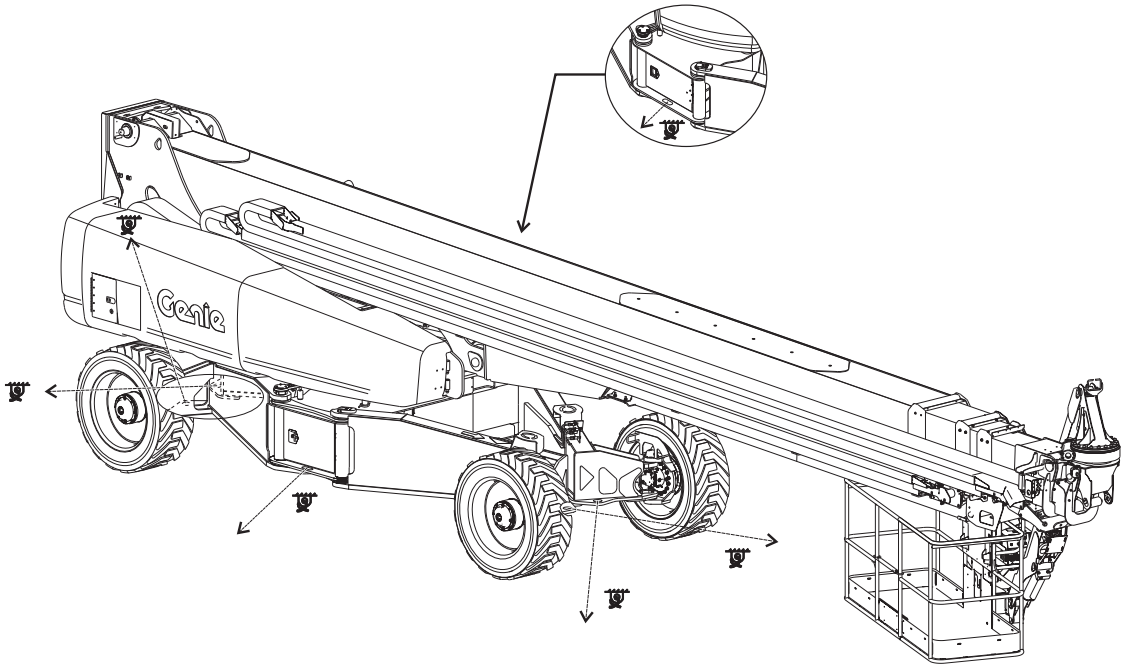
Light on and engine stopped: Tag the machine and remove from service.

Light on and engine still running: Contact service personnel within 24 hours.

Transport and Lifting Instructions

SX-150





CLICK HERE TO DOWNLOAD THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO DOWNLOAD THE COMPLETE MANUAL